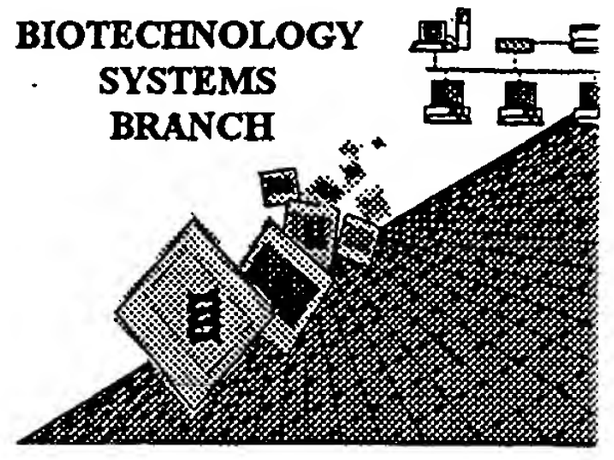
RAW SEQUENCE LISTING
ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/463,470

Art Unit / Team No. : 1644

Date Processed by STIC: 5/12/2000

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION** **SERIAL NUMBER:** 09/463,470

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____	Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
2 _____	Wrapped Aminos	The amino acid number/text at the end of each line "wrapped " down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
3 _____	Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.
4 _____	Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
5 _____	Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
6 _____	Variable Length	Sequence(s) ____ contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
7 _____	PatentIn ver. 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence.
8 _____	Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence: **(2) INFORMATION FOR SEQ ID NO:X:** **(i) SEQUENCE CHARACTERISTICS:**(Do not insert any headings under "SEQUENCE CHARACTERISTICS") **(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:** **This sequence is intentionally skipped** Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
9 _____	Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence. **<210> sequence id number** **<400> sequence id number** **000**
10 _____	Use of **n**'s or **Xaa**'s (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
11 _____	Use of <213>Organism (NEW RULES)	Sequence(s) _____ are missing this mandatory field or its response.
12 _____	Use of <220>Feature (NEW RULES)	Sequence(s) ____ are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown" **Please explain source of genetic material in <220> to <223> section.** (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
13 ✓	PatentIn ver. 2.0 "bug"	**Please do not use "Copy to Disk" function of PatentIn version 2.0.** This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

N/A

1644

RAW SEQUENCE LISTING DATE: 05/12/2000
PATENT APPLICATION: US/09/463,470 TIME: 11:03:36

Input Set : A:\SEQ.txt
Output Set: N:\CRF3\05122000\I463470.raw

Does Not Comply
Corrected Diskette Needed

C--> 3 <140> CURRENT APPLICATION NUMBER: US/09/463,470
C--> 3 <141> CURRENT FILING DATE: 2000-01-20
W--> 0 <110> APPLICANT:
W--> 0 <120> TITLE INVENTION:
W--> 0 <130> FILE REFERENCE:
3 <150> PRIOR APPLICATION NUMBER: 60/053,211
5 <151> PRIOR FILING DATE: 1997-07-21
9 <150> PRIOR APPLICATION NUMBER: 9704170-1 (SE)
11 <151> PRIOR FILING DATE: 1997-11-14
15 <160> NUMBER OF SEQ ID NOS: 23
19 <170> SOFTWARE: PatentIn Ver. 2.0
23 <210> SEQ ID NO: 1
25 <211> LENGTH: 33
27 <212> TYPE: DNA
29 <213> ORGANISM: Synthetic
33 <400> SEQUENCE: 1
35 atataagctt ccaccatggg ccacacacgg agg 33
39 <210> SEQ ID NO: 2
41 <211> LENGTH: 35
43 <212> TYPE: DNA
45 <213> ORGANISM: Synthetic
49 <400> SEQUENCE: 2
51 acgcagatct ttagttatca ggaaaatgct cttgc 35
55 <210> SEQ ID NO: 3
57 <211> LENGTH: 39
59 <212> TYPE: DNA
61 <213> ORGANISM: Synthetic
65 <400> SEQUENCE: 3
67 tcaaagcttc tcgagcgcgc tgttatcagg aaaatgctc 39
71 <210> SEQ ID NO: 4
73 <211> LENGTH: 46
75 <212> TYPE: DNA
77 <213> ORGANISM: Synthetic
81 <400> SEQUENCE: 4
83 cgcgcgtcag gctaacgaac tgccaggcgc cccgtcacag agacga 46
87 <210> SEQ ID NO: 5
89 <211> LENGTH: 60
91 <212> TYPE: DNA
93 <213> ORGANISM: Synthetic
97 <400> SEQUENCE: 5
99 agcttcgtct cacgcgcgtt cttcctgtga cggggcgcct ggcagttcgt tagcctgacg 60
103 <210> SEQ ID NO: 6
105 <211> LENGTH: 32
107 <212> TYPE: DNA
109 <213> ORGANISM: Synthetic
113 <400> SEQUENCE: 6
115 tggtacacca cagaagacag cttgtatgta tg 32

Please insert these mandatory numeric identifiers and responses
See Item 13 on Error Summary Sheet

The only valid response, per Sequence Rules, are: Artificial Sequence, Unknown or scientific name (Genus/species) see circled portion of Item 12 on Error Summary Sheet

RAW SEQUENCE LISTING DATE: 05/12/2000
PATENT APPLICATION: US/09/463,470 TIME: 11:03:36

Input Set : A:\SEQ.txt
Output Set: N:\CRF3\05122000\I463470.raw

<210> SEQ ID NO: 7
<211> LENGTH: 32
<212> TYPE: DNA
<213> ORGANISM: Synthetic
<400> SEQUENCE: 7
catacataca agctgtcttc tgtggtgtac ca 32
<210> SEQ ID NO: 8
<211> LENGTH: 33
<212> TYPE: DNA
<213> ORGANISM: Synthetic
<400> SEQUENCE: 8
cgaataagaa agacgtcact gttcaggagt tgg 33
<210> SEQ ID NO: 9
<211> LENGTH: 33
<212> TYPE: DNA
<213> ORGANISM: Synthetic
<400> SEQUENCE: 9
ccaactcctg aacagtgacg tctttcttat tcg 33
<210> SEQ ID NO: 10
<211> LENGTH: 32
<212> TYPE: DNA
<213> ORGANISM: Synthetic
<400> SEQUENCE: 10
gagataataa agttattaac tcagaaaaca tg 32
<210> SEQ ID NO: 11
<211> LENGTH: 32
<212> TYPE: DNA
<213> ORGANISM: Synthetic
<400> SEQUENCE: 11
catgttttct gagttaataa ctttattatc tc 32
<210> SEQ ID NO: 12
<211> LENGTH: 49
<212> TYPE: DNA
<213> ORGANISM: Synthetic
<400> SEQUENCE: 12
cgcggatccg cgcggcacca ggccgctgtt atccggaaaa tgctcttgc 49
<210> SEQ ID NO: 13
<211> LENGTH: 77
<212> TYPE: DNA
<213> ORGANISM: Synthetic
<400> SEQUENCE: 13
ccggataaca gcgcgcgtca ggctaacgaa ctcccaggcg ccccgtcaca ggaagaacgc 60
ccgcaggtcc aactgca 77
<210> SEQ ID NO: 14
<211> LENGTH: 69
<212> TYPE: DNA
<213> ORGANISM: Synthetic
<400> SEQUENCE: 14
gttggacctg cgggcgttct tcctgtgacg gggcgcctgg cagttcgtta gcctgacgcg 60

RAW SEQUENCE LISTING DATE: 05/12/2000
PATENT APPLICATION: US/09/463,470 TIME: 11:03:36

Input Set : A:\SEQ.txt
Output Set: N:\CRF3\05122000\I463470.raw

247 cgctgttat 69
251 <210> SEQ ID NO: 15
253 <211> LENGTH: 18
255 <212> TYPE: PRT
257 <213> ORGANISM: Synthetic
261 <400> SEQUENCE: 15
263 Ser Ala Arg Gln Ala Asn Glu Leu Pro Gly Ala Pro Ser Gln Glu Glu
265 1 5 10 15
269 Arg Pro
277 <210> SEQ ID NO: 16
279 <211> LENGTH: 18
281 <212> TYPE: PRT
283 <213> ORGANISM: Synthetic
287 <400> SEQUENCE: 16
289 Ser Ala Arg Gln Ala Asn Glu Leu Pro Gly Ala Pro Ser Gln Glu Glu
291 1 5 10 15
295 Arg Pro
303 <210> SEQ ID NO: 17
305 <211> LENGTH: 84
307 <212> TYPE: DNA
309 <213> ORGANISM: Synthetic
313 <400> SEQUENCE: 17
315 gcggatcccg gtccgcgtca ggctaacgaa ctgccaggag ctccgtctca ggaagagcgt 60
317 gcacctactt caagttctac aaag 84
321 <210> SEQ ID NO: 18
323 <211> LENGTH: 38
325 <212> TYPE: DNA
327 <213> ORGANISM: Synthetic
331 <400> SEQUENCE: 18
333 ccgaattcgc tagcttatca agttagtgtt gagatgat 38
337 <210> SEQ ID NO: 19
339 <211> LENGTH: 11
341 <212> TYPE: PRT
343 <213> ORGANISM: Synthetic
347 <400> SEQUENCE: 19
349 Pro Ala Ser Gly Gly Gly Gly Ala Gly Gly Pro
351 1 5 10
357 <210> SEQ ID NO: 20
359 <211> LENGTH: 17
361 <212> TYPE: PRT
363 <213> ORGANISM: Synthetic
367 <400> SEQUENCE: 20
369 Gly Pro Arg Gln Ser Asn Glu Thr Pro Gly Ser Pro Ser Gln Glu Glu
371 1 5 10 15
375 Arg
383 <210> SEQ ID NO: 21
385 <211> LENGTH: 17
387 <212> TYPE: PRT
389 <213> ORGANISM: Synthetic

RAW SEQUENCE LISTING DATE: 05/12/2000
PATENT APPLICATION: US/09/463,470 TIME: 11:03:36

Input Set : A:\SEQ.txt
Output Set: N:\CRF3\05122000\I463470.raw

393 <400> SEQUENCE: 21
395 Gly Pro Arg Gln Ala Lys Thr Leu Pro Gly Ala Pro Ser Gln Thr Thr
397 1 5 10 15
401 Arg
409 <210> SEQ ID NO: 22
411 <211> LENGTH: 17
413 <212> TYPE: PRT
415 <213> ORGANISM: Synthetic
419 <400> SEQUENCE: 22
421 Gly Pro Thr Gly Ala Asp Glu Leu Pro Gly Ala Pro Ser Glu Glu Glu
423 1 5 10 15
427 Thr
435 <210> SEQ ID NO: 23
437 <211> LENGTH: 17
439 <212> TYPE: PRT
441 <213> ORGANISM: Synthetic
445 <400> SEQUENCE: 23
447 Gly Pro Arg Gln Ala Asn Glu Leu Pro Gly Ala Pro Ser Gln Glu Glu
449 1 5 10 15
453 Arg

VERIFICATION SUMMARY DATE: 05/12/2000
PATENT APPLICATION: US/09/463,470 TIME: 11:03:37

Input Set : A:\SEQ.txt
Output Set: N:\CRF3\05122000\I463470.raw

L:3 M:270 C: Current Application Number differs, Replaced Current Application No
L:3 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:0 M:201 W: Mandatory field data missing, APPLICANT NAME
L:0 M:201 W: Mandatory field data missing, TITLE INVENTION
L:0 M:201 W: Mandatory field data missing, FILE REFERENCE